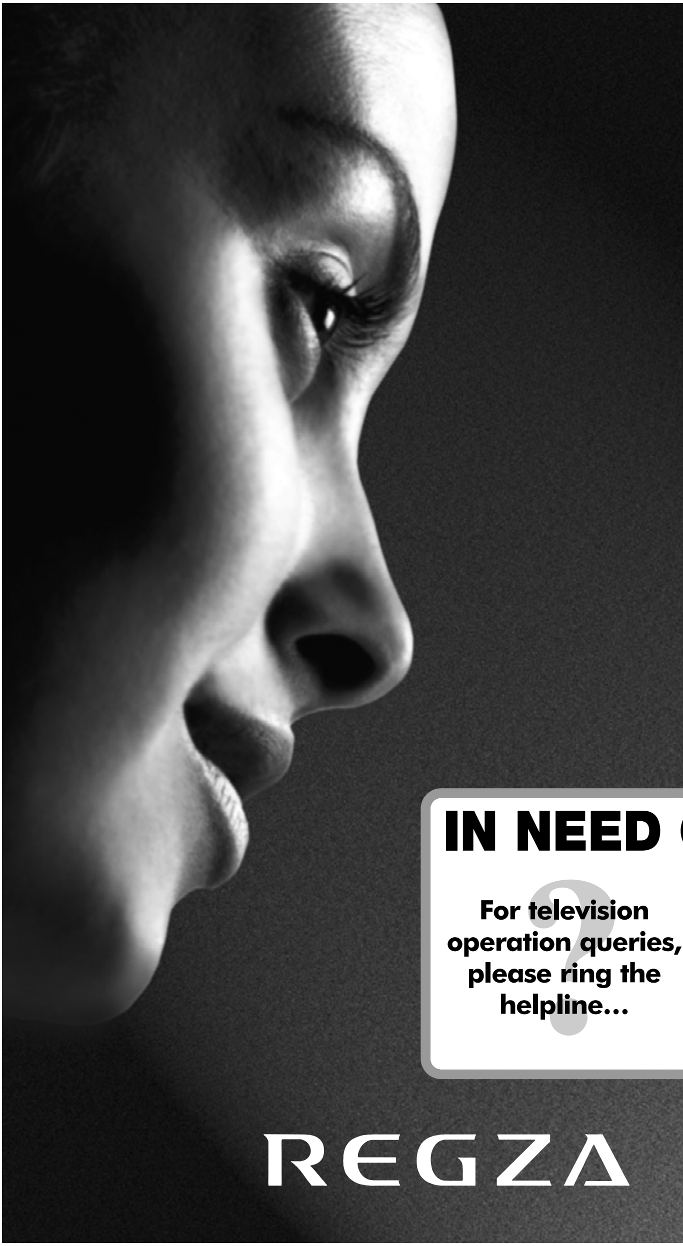
TOSHIBA

Leading Innovation >>>

AV55*
Digital
Series



IN NEED OF HELP

For television operation queries, please ring the helpline...

Toshiba customer helpline
0115 976 6958

Contents

Safety Precautions

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken to obtain the best results and for safety to be assured. Please read the points below for your own safety. They are of a general nature, intended to help with all electronic consumer products and some points may not apply to the goods you have just purchased.

Air Circulation

Leave more than 10cm clearance around the television to allow adequate ventilation. This will prevent overheating and possible damage to the television. Dusty places should also be avoided.

Heat Damage

Damage may occur if the television is left in direct sunlight or near a heater. Avoid places subject to extremely high temperatures or humidity. Place in a location where the temperature remains between 5°C (41°F) min. and 35°C (94°F) max.

Mains Supply

The mains supply required for this equipment is 220-240v AC 50/60Hz. Never connect to a DC supply or any other power source. DO ensure that the television is not standing on the mains lead. DO NOT cut off the mains plug from this equipment, this incorporates a special Radio Interference Filter, the removal of which will impair its performance. In the UK, the fuse fitted in this plug is approved by ASTA or BSI to BS1362. It should only be replaced by a correctly rated and approved type and the fuse cover must be refitted. IF IN DOUBT PLEASE CONSULT A COMPETENT ELECTRICIAN.

Do

DO read the operating instructions before you attempt to use the equipment.

DO ensure that all electrical connections (including the mains plug, extension leads and inter-connections between pieces of equipment) are properly made and in accordance with the manufacturers' instructions. Switch off and withdraw the mains plug before making or changing connections.

DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

DO be careful with glass panels or doors on equipment.

DO NOT REMOVE ANY FIXED COVERS AS THIS WILL EXPOSE DANGEROUS AND 'LIVE' PARTS.

THE MAINS PLUG IS USED AS A DISCONNECTING DEVICE AND THEREFORE SHOULD BE READILY OPERABLE.

Do not

DO NOT obstruct the ventilation openings of the equipment with items such as newspapers, tablecloths, curtains, etc. Overheating will cause damage and shorten the life of the equipment.

DO NOT allow electrical equipment to be exposed to dripping or splashing or objects filled with liquids, such as vases, to be placed on the equipment.

DO NOT place hot objects or naked flame sources, such as lighted candles or nightlights on, or close to equipment. High temperatures can melt plastic and lead to fires.

DO NOT use makeshift stands and NEVER fix legs with wood screws. To ensure complete safety, always fit the manufacturers' approved stand, bracket or legs with the fixings provided according to the instructions.

DO NOT leave equipment switched on when it is unattended, unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off by withdrawing the plug, make sure your family know how to do this. Special arrangements may need to be made for people with disabilities.

DO NOT continue to operate the equipment if you are in any doubt about it working normally, or it is damaged in any way – switch off, withdraw the mains plug and consult your dealer.

WARNING – excessive sound pressure from earphones or headphones can cause hearing loss.

ABOVE ALL – NEVER let anyone, especially children, push or hit the screen, push anything into holes, slots or any other openings in the case.

NEVER guess or take chances with electrical equipment of any kind – it is better to be safe than sorry.

Installation and important information

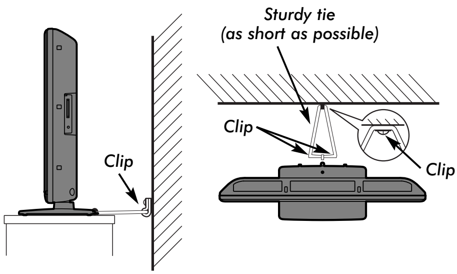
Where to install

Locate the television away from direct sunlight and strong lights, soft, indirect lighting is recommended for comfortable viewing. Use curtains or blinds to prevent direct sunlight falling on the screen.

Place on a sturdy platform, the mounting surface should be flat and steady. It should then be secured to the wall with a sturdy tie using the clip on the back of the stand, or secured to the platform using the fixing strap located underneath the table top stand, this will prevent it from falling over.

The LCD display panels are manufactured using an extremely high level of precision technology, however sometimes some parts of the screen may be missing picture elements or have luminous spots. This is not a sign of a malfunction.

Make sure the television is located in a position where it cannot be pushed or hit by objects, as pressure will break or damage the screen, and that small items cannot be inserted into slots or openings in the case.



Side View **Top View**

Please take note

The digital reception function of this television is only effective in the countries listed in the "COUNTRY SET UP" section of the "DIGITAL MENU". Depending on country/area some of this television’s functions may not be available. Reception of future additional or modified services can not be guaranteed with this television.

If stationary images generated by 4:3 broadcasts, text services, channel identification logos, computer displays, video games, on screen menus, etc. are left on the television screen for any length of time they could become conspicuous, it is always advisable to reduce both the brightness and contrast settings.

Very long, continuous use of the 4:3 picture on a 16:9 screen may result in some retention of the image at the 4:3 outlines, this is not a defect of the LCD TV and is not covered under the manufacturers warranty. Regular use of other size modes (eg. Superlive) and varying the “side panel” brightness (if available on the model) will prevent permanent retention.

EXCLUSION CLAUSE

Toshiba shall under no circumstances be liable for loss and/or damage to the product caused by:

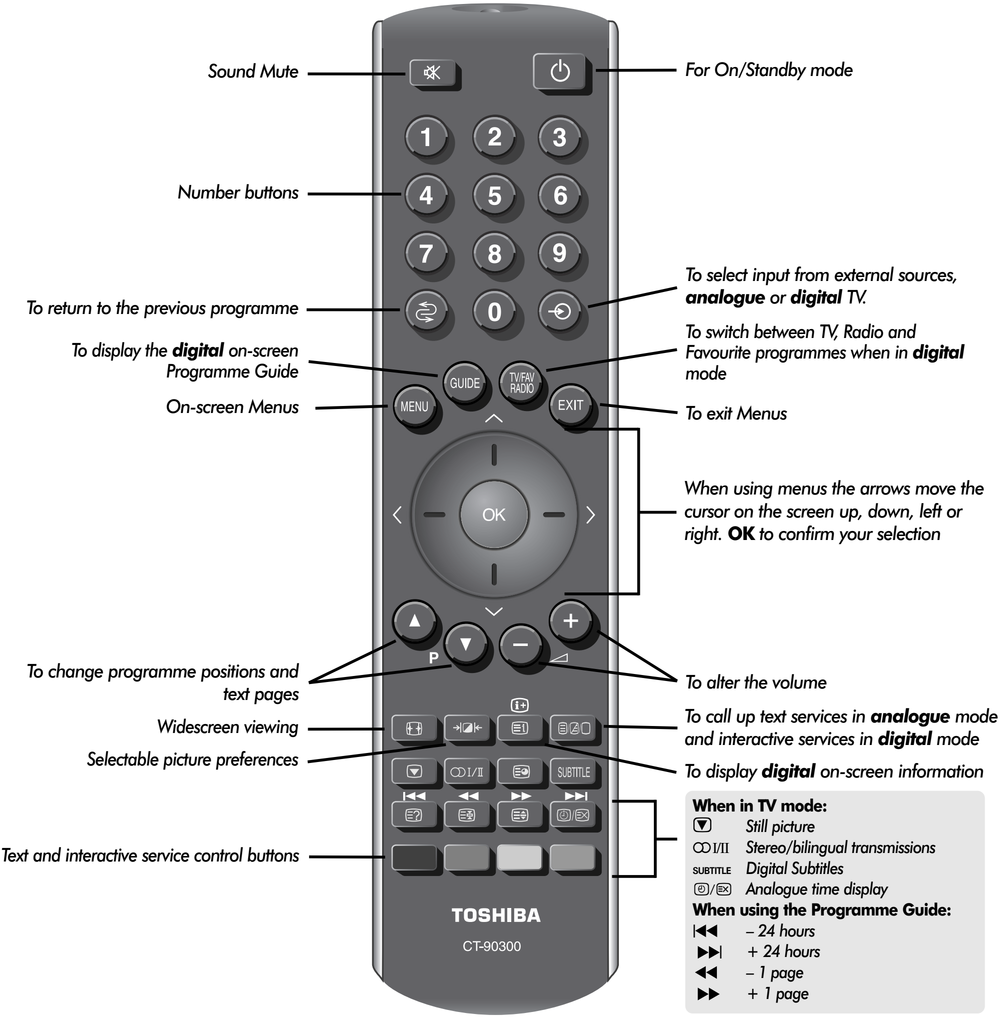
i) fire;
ii) earthquake;
iii) accidental damage;
iv) intentional misuse of the product;
v) use of the product in improper conditions;
vi) loss and/or damage caused to the product whilst in the possession of a third party;
vii) any damage or loss caused as a result of the owner’s failure and/or neglect to follow the instructions set out in the owner’s manual;
viii) any loss or damage caused directly as a result of misuse or malfunction of the product when used simultaneously with associated equipment;

Furthermore, under no circumstances shall Toshiba be liable for any consequential loss and/or damage including but not limited to the following, loss of profit, interruption of business, the loss of recorded data whether caused during normal operation or misuse of the product.

NOTE: A Toshiba wall bracket or stand, where available, must be used. If a non Toshiba wall bracket or stand is used the product’s BEAB approval will become void and the equipment is then used at the consumers own risk.

The remote control

Simple at-a-glance reference of your remote control.



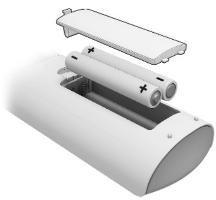
When in TV mode:

▼	Still picture
ꝏ I/II	Stereo/bilingual transmissions
SUBTITLE	Digital Subtitles
⊕/⊠	Analogue time display

When using the Programme Guide:

⏮	– 24 hours
⏭	+ 24 hours
◀◀	– 1 page
▶▶	+ 1 page

Inserting batteries and effective range of the remote



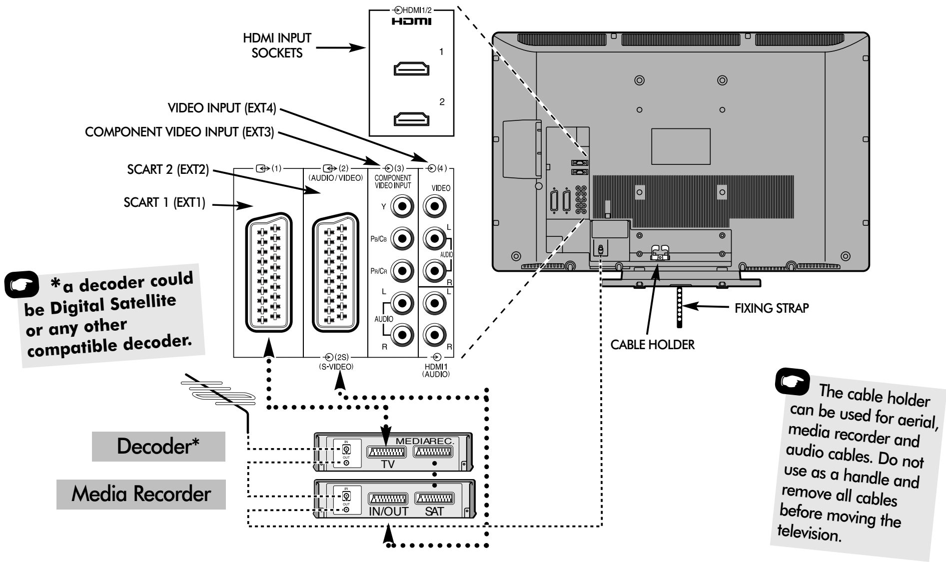
Remove the back cover to reveal the battery compartment and make sure the batteries are inserted the right way round. Suitable battery types for this remote are AAA, IEC R03 1.5V.

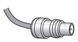
Do not combine a used, old battery with a new one or mix battery types. Remove dead batteries immediately to prevent acid from leaking into the battery compartment. Dispose of them in a designated disposal area. **Warning**: batteries must not be exposed to excessive heat such as sunshine, fire or the like.

The performance of the remote control will deteriorate beyond a distance of five metres or outside an angle of 30 degrees from the centre of the television. If the operating range becomes reduced the batteries may need replacing.

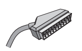
Connecting external equipment

Before connecting any external equipment, turn off all main power switches. If there is no switch remove the mains plug from the wall socket.



Aerial cables: – – – – – – – – – 

Connect the aerial to the socket on the rear of the television. If you use a decoder* and/or a media recorder it is essential that the aerial cable is connected through the decoder and/or through the media recorder to the television.

SCART leads: • • • • • • • • • • • • • • • • 

Connect the video recorder **IN/OUT** socket to the television. Connect the decoder **TV** socket to the television. Connect the media recorder **SAT** socket to the decoder **MEDIA REC.** socket.

Before running **Auto tuning** put your decoder and media recorder to **Standby**.

The phono sockets alongside the COMPONENT VIDEO INPUT sockets will accept L and R audio signals.

The phono sockets alongside the VIDEO INPUT sockets will accept L and R audio signals.

HDMI (High-Definition Multimedia Interface) is for use with a DVD, decoder or electrical equipment with digital audio and video output. It is designed for best performance with 1080i and 1080p high-definition video signals but will also accept and display VGA, 480i, 480p, 576i, 576p and 720p signals.

PLEASE NOTE: Although this television is able to connect to HDMI equipment it is possible that some equipment may not operate correctly.

A wide variety of external equipment can be connected to the back of the television, therefore the relevant owners manuals for *all* additional equipment *must* be referred to.

We recommend *SCART 1* for a decoder and *SCART 2* for a media recorder.

If connecting S-VIDEO equipment, set the **INPUT** for **EXT2**. *See page 31*.

If the television automatically switches over to monitor external equipment, return to normal television by pressing the desired programme position button. To recall external equipment, press ⊕ to select between **DTV**, **EXT1**, **EXT2**, **EXT3**, **HDMI1**, **HDMI2** or **ATV**.

Connecting an HDMI or DVI device to the HDMI input

The HDMI input on the television receives digital audio and uncompressed digital video from an HDMI source device, or uncompressed digital video from a DVI (Digital Visual Interface) source device.

This input is designed to accept HDCP (High-Bandwidth Digital-Content Protection) program material in digital form from EIA/CEA-861-D–compliant [1] consumer electronic devices (such as a set-top box or DVD player with HDMI or DVI output). For acceptable signal formats, see page 9.

NOTE: Some early HDMI equipment may not work properly with the latest HDMI TV, due to the adoption of a new standard. Please unplug the HDMI cable first and then try setting the **Lip Sync** to **Off**. See page 31.

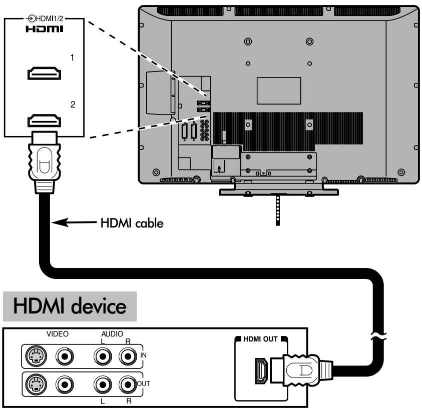
Supported Audio format: Linear PCM, sampling rate 32/44.1/48kHz.

Connecting an HDMI Device

Connect an HDMI cable (type A connector) to the HDMI terminal. For proper operation, it is recommended that an HDMI cable with the HDMI Logo (HDMI) is used.

If the HDMI connection is capable of 1080p and/or the television is capable of refresh rates greater than 60Hz, a Category 2 cable will be required. Conventional HDMI/DVI cable may not work properly with this mode.

HDMI cable transfers both video and audio. Separate analogue audio cables are not required. See "HDMI1 Audio" on page 31.

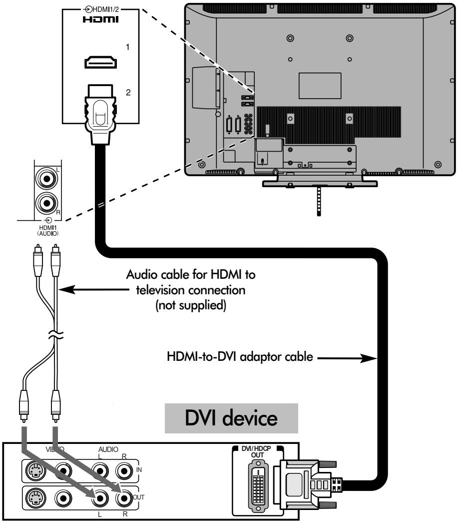


To view the HDMI device video, press the ⊕ to select HDMI1 or HDMI2 mode.

Connecting a DVI Device

Connect an HDMI-to-DVI adaptor cable (HDMI type A connector) to the HDMI1 terminal and audio cables to the HDMI1 (AUDIO) socket. The recommended HDMI-to-DVI adaptor cable length is 6.6 ft (2m).

An HDMI-to-DVI adaptor cable transfers video only. Separate analogue audio cables are required.See "HDMI1 Audio" on page 31.



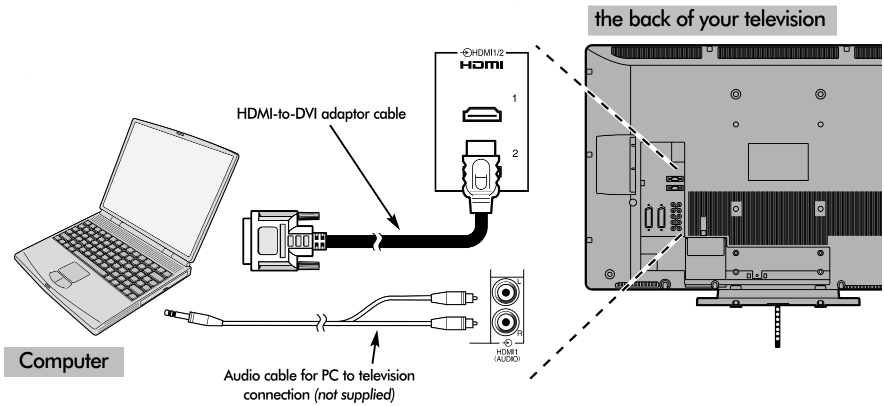
NOTE: To ensure that the HDMI or DVI device is reset properly, it is recommended that these procedures are followed:
When switching on electronic components, switch on the television first and then the HDMI or DVI device. To switch off, first switch off the HDMI or DVI device and then the television.

[1] EIA/CEA-861-D compliance covers the transmission of uncompressed digital video with high-bandwidth digital content protection, which is being standardised for reception of high-definition video signals. Because this is an evolving technology, it is possible that some devices may not operate properly with the television.
HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

Connecting a computer

With the HDMI connection, you can watch your computer's display on the television and hear the sound from the televisions speakers.

Connecting a PC to the HDMI Terminal



When connecting a PC to the HDMI terminal on the television, use an HDMI-to DVI adaptor cable and an analogue audio cable.

If connecting a PC with an HDMI terminal, use an HDMI cable (type A connector). A separate analogue audio cable is not necessary). See page 8.

PLEASE NOTE:
It is possible that some PCs when connected may not display correctly. Some PC models cannot be connected to this television.

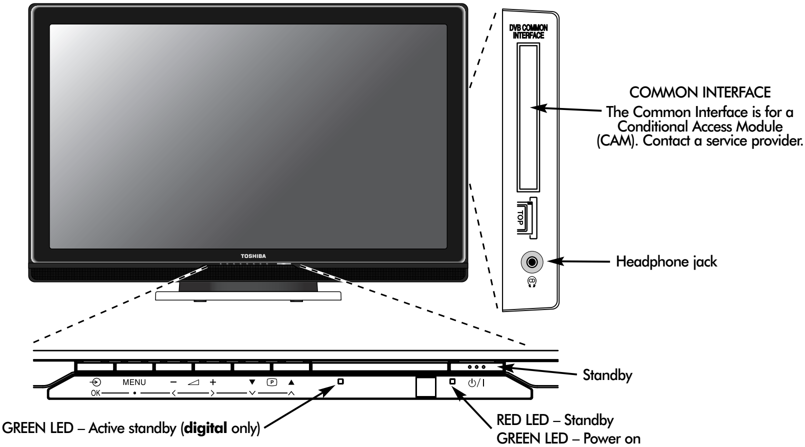
A band may appear at the edges of the screen or parts of the picture may be obscured. This is due to scaling of the picture by the set, it is not a malfunction.

Acceptable signals through HDMI terminals

Format	Resolution	V. Frequency	H. Frequency	Pixel Clock Frequency
480i	720 X 480i	59.940/60.000Hz	15.734/15.750kHz	27.000/27.027MHz
576i	720 X 576i	50.000Hz	15.625kHz	27.000MHz
480p	720 X 480p	59.940/60.000Hz	31.469/31.500kHz	27.000/27.027MHz
576p	720 X 576p	50.000Hz	31.250kHz	27.000MHz
1080i	1920 X 1080i	59.940/60.000Hz	33.716/33.750kHz	74.176/74.250MHz
1080i	1920 X 1080i	50.000Hz	28.125kHz	74.250MHz
720p	1280 X 720p	59.940/60.000Hz	44.955/45.000kHz	74.176/74.250MHz
720p	1280 X 720p	50.000Hz	37.500kHz	74.250MHz
1080p	1920 X 1080p	59.940/60.000Hz	67.500kHz	148.500MHz
1080p	1920 X 1080p	50.000Hz	56.250kHz	148.500MHz
1080p	1920 X 1080p	24.000Hz	27.000kHz	74.250MHz
VGA	640 X 480	59.940/60.000Hz	31.469/31.500kHz	25.175/25.200MHz

Using the Controls

Whilst all the necessary adjustments and controls for the television are made using the remote control, the buttons on the television may be used for some functions.



Switching On

If the RED LED is unlit check that the mains plug is connected to the power supply. Press ⏻ on the remote control, the GREEN LED will light up and the picture will appear, it may take a few moments.

To put the television into Standby press ⏻ on the remote control. To view the television press ⏻ again. The picture may take a few seconds to appear.

Using the Remote Control

Press the **MENU** button on the remote control to see the menus.

The menu appears as a list of five topics. As each symbol is selected by pressing ❮ or ❯ on the navigation ring on the remote control, its respective options will appear below.

IMPORTANT: At the bottom of the screen will be a bar displaying a selection of control functions, i.e. Select, Watch, Back, Watch TV.

NOTE: The same menu is displayed in **DTV** (Digital TV) and **ATV** (Analogue TV) modes, however, where some items are not available in a mode they will appear greyed out.

To use the options press the ⌃ and ⌄ button on the remote control to move up and down through them and **OK**, ❮ or ❯ to select the required choice. Follow the on screen instructions. The functions of each menu are described in detail throughout the manual.

Using the Controls

To alter the volume press — ◿ +.

To alter the programme position press ▼ Ⓟ ▲.

Press **MENU** and ❮, ❯, ⌄ or ⌃ to control the sound and picture options.

Press **MENU** to finish.

To select the external input, press ⊕ and select the required input source. See page 31.

Please always refer to the owner's manual of the equipment to be connected for full details.

Please note: Inserting the headphone plug will mute the sound from all speakers.

Tuning the television for the first time

Before switching on the television put your decoder and media recorder to **Standby** if they are connected and ensure the aerial is connected. To set up the television use the buttons on the remote control as detailed on page 6.

1 Press the ⏻ button, the **Quick Setup** screen will appear. This screen will appear the first time that the television is switched on and each time **Reset TV** is selected.

Quick Setup	
Language	◂ English ▸
Country	UK
Primary Subtitle Language	English
Secondary Subtitle Language	English
Primary Audio Language	English
Secondary Audio Language	English

Select   Edit   OK Auto Tune   EXIT Watch TV

2 Using ⌄ highlight **Language**, then ‹ or › to select.

3 Press ⌄ to highlight **Country** and ‹ or › to select. The television will now tune the stations for your country.

4 Press **OK**, the **Auto Tuning** start up screen will appear with the option to select between **ATV and DTV**, **ATV** or **DTV**. Using ‹ or › select **ATV and DTV** then press **OK** again to start **Auto Tuning**.

The television will start to search for all available **ATV** and **DTV** stations. The progress bar will indicate progress.

You must allow the television to complete the search.

Auto Tuning		
	Progress	Found
ATV tune	75%	4
DTV tune	Waiting...	
	Channel: C58 Station:	

EXIT Stop

When the search is complete the television will automatically select programme one.

The **Auto Tuning** screen will display the total number of services found.

Auto Tuning — ATV ▸ DTV

Prog.	Name		Channel
	1 BBC 1	22	
2	BBC 2		28
3	ITV		25
4	CH4		32
5	C-68		68
6			69
7			69
8			69

5 Press ‹ or › to view the DTV (digital channels) or ATV (analogue channels) lists.

Auto Tuning — ATV ▸ DTV

Prog.	Name	Type	Channel
1	BBC ONE		34
2	BBC TWO		34
3	ITV1		31
4	Channel 4		31
5	Five		48
6	ITV2		31
7	BBC THREE		34
9	BBC FOUR		21

6 Use ⌄ or ⌃ to move through the list to select a programme then press **OK** to view.

In **ATV** mode some areas may receive duplicate stations. There may not be a clear picture or the signal may be weak, so the station order can be changed using **ATV Manual Tuning**.

REMEMBER: Press ⊕ at any time to select between **ATV** and **DTV** modes.

NOTE: The time will be set automatically by transmission but can be advanced or decreased by up to 3 hours using **Local Time Settings** in the **DTV Settings** screen.

PLEASE NOTE

The **Reset TV** menu can also be accessed at any time from the **SETUP** menu.

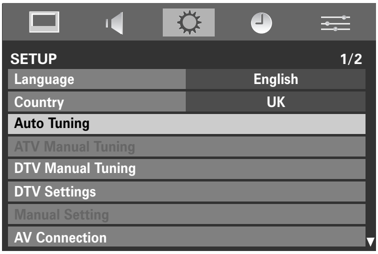
DTV auto tuning, auto programme update, manual tuning, analogue switch off

NOTE: As new services are broadcast it will be necessary to re-tune the television in order to view them.

Auto Tuning

***Auto tuning** will completely re-tune the television and can be used to up date the channel list.*
***It is recommended that Auto tuning is run periodically to ensure that all new services are added.** All current programmes and settings, i.e. favourites and locked programmes, will be lost.*

1. Press **MENU** and use ‹ or › to select **SETUP**. Use ⌄ to highlight **Auto Tuning**. Press **OK**.



A screen will appear warning that previous digital programmes and settings will be deleted.



2. Use ‹ or › to select **DTV** then press **OK** to continue with the **Auto tuning**.

   The television will start to search for all available **DTV** stations.

   You must allow the television to complete the search.

   When the search is complete the **Auto Tuning** screen will display the services found.

3. Use ⌄ or ⌃ to move through the list to select a programme then press **OK** to view.

Auto Programme Update

*If **Auto Programme Update** is set to **On** when the television is in standby mode Digital Tuning will automatically execute and new programmes will be stored.*

1. Press **MENU** and use ‹ or › to select **SETUP**.
2. Use ⌄ to highlight **DTV Settings** and press **OK**.
3. Press ⌄ to select **Auto Programme Update** and use ‹ or › to select **On**.

Manual Tuning

This feature is available for service engineers or can be used for direct channel entry if the multiplex channel is known.

1. Select **DTV Manual Tuning** from the **SETUP** menu and press **OK**.
2. Enter the multiplex number using the number buttons or use ‹ or › to adjust the number and then press **OK**. The television will automatically search for that multiplex.

   When the multiplex is found any channels not currently on the programme list will be added and the programme information at the top of the screen will be updated.

3. Repeat as necessary. Press **EXIT** to finish.

Analogue Switch-off

This is a **digital** television which is integrated to allow the use of both **digital** and **analogue** services. However, during the lifetime of this set it is very likely that **analogue** services will be switched off to allow for more new **digital** services.

This 'switch-off' will happen in a number of phases, which will be advertised in your area well in advance. It is recommended that at each phase the television is re-tuned to ensure that existing and new **digital** services can be viewed without disruption.

DTV programme sorting, programme skip

NOTE: When the television is switched off the mode being viewed at the time will automatically be selected when the television is switched back on.

Programme Sorting

The station order may be changed to suit personal preference.

1. Press **MENU** and select the **SETUP** menu.
2. Use ⌄ to move down through the list and highlight **DTV Settings**. Press **OK**.

DTV Settings	1/2
Programmes	
Programme Options	
TV/Radio Mode	All Channels
Subtitle	
PIN Setting	
Parental Control	
Local Time Setting	11:51
Auto Programme Update	Off

3. Use ⌄ to select **Programmes** then press **OK**.

Programmes

Prog.	Name	-●→	Type
1	BBC ONE		☐
2	BBC TWO		■
3	ITV1		☐
4	Channel 4		☐
5	Five		☐
6	ITV2		☐
7	BBC THREE		☐
9	BBC FOUR		☐

4. With the list of stations now showing use ⌄ or ⌃ to highlight the station to be *moved* and press **OK**.

   Use ⌄ and ⌃ to move through the list to the preferred position, the other stations will move to make room.

   Press **OK** to store the move. repeat as necessary then press **EXIT**.

Programme Skip

This feature allows the setting of channels that will be skipped when using **P▼** *and* **P▲**. *However, skipped channels can still be accessed by direct number entry.*

1. Press **MENU** and select the **SETUP** menu.
2. Use ⌄ to move down through the list and highlight **DTV Settings**. Press **OK**.

DTV Settings	1/2
Programmes	
Programme Options	
TV/Radio Mode	All Channels
Subtitle	
PIN Setting	
Parental Control	
Local Time Setting	11:51
Auto Programme Update	Off

3. Use ⌄ to select **Programmes** then press **OK**.

Programmes

Prog.	Name	-●→	Type
1	BBC ONE		☐
2	BBC TWO		☐
3	ITV1		☐
4	Channel 4	-●→	■
5	Five		☐
6	ITV2		☐
7	BBC THREE		☐
9	BBC FOUR		☐

4. Use ⌄ to select the channel to be skipped. The skip setting for the highlighted programme can be switched between 'Set/Not Set' by pressing the **RED** button on the remote control.

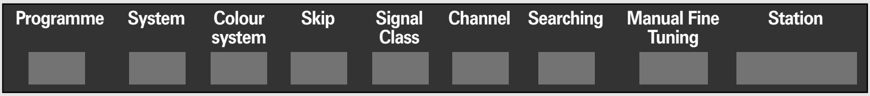
   Repeat as necessary then press **EXIT**.

   When skip has been set the -●→ icon will be displayed in the banner to indicate it is a skipped channel.

ATV manual tuning

The television can be tuned-in manually using **ATV Manual Tuning**. For example: if the television cannot be connected to a media recorder/decoder with a SCART lead or to tune-in a station on another **System**.

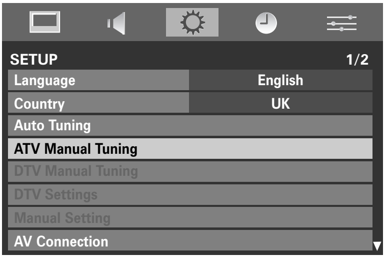
Use ‹ and › to move across the screen and select any of these ATV Manual Tuning options, then ⌃ and ⌄ to adjust the settings.



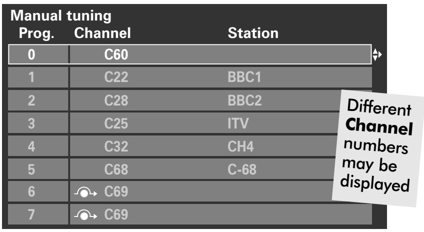
Programme: The number to be pressed on the remote control.
System: Specific to certain areas.
Colour system: Factory set to Auto, should only be changed if problems are experienced, *i.e.* NTSC input from external source.
Skip: (skip symbol) means nothing has been stored or the facility to *skip* the channel is ON. *See page 15.*
Signal Class: The channel classification.
Channel: The channel number on which a station is being broadcast.
Searching: Search up and down for a signal.
Manual Fine Tuning: Only used if interference/weak signal is experienced. *See page 35.*
Station: Station identification. Use the ⌃ or ⌄ and ‹ or › buttons to enter up to seven characters.

To allocate a programme position on the television for a decoder and media recorder: turn the decoder on, insert a pre-recorded film in the media recorder and press PLAY, then manually tune.

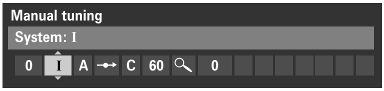
1 Press **MENU** and using ‹ or › select the **SET UP** menu, with ⌄ highlight **ATV Manual tuning**, press **OK** to select.



2 Use ⌃ or ⌄ to highlight the programme position required e.g. we suggest ***Prog. 0*** for a media recorder.



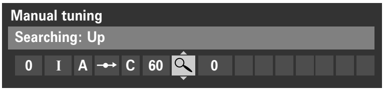
3 Press **OK** to select. If the programme is skipped, **Skip** must be removed before storing.



4 Press › to select **System** and use ⌃ or ⌄ to change if required.

5 Then press › to select **Searching**.

6 Press ⌃ or ⌄ to begin the search. The search symbol will flash.



7 Each signal will show on the television, if it is not your media recorder, press ⌃ or ⌄ again to restart the search.

8 When your media recorder signal is found, press › to move along to **Station**. With ⌃, ⌄, ‹ and › put in the required characters, e.g. **VCR**.

ATV manual tuning (continued), programme skip, programme sort

Manual tuning
Station: VCR
0 I A C 60 0 V C R

9 Press **OK** to store.

10 Repeat for each ***programme position*** you want to tune or, press **MENU** to return to the list of channels and select the next number to tune.

11 Press **EXIT** when you have finished.

12 To name external equipment, e.g. DVD on EXT2, press to select **2**, then select **Manual Setting** from the **SET UP** menu.

13 Press › to select **Label** then using ˄, ˅, ‹ and › put in the required characters. Press **OK**.

Manual Setting
Label: DVD
EXT2 A D V D

PLEASE NOTE

This television has direct channel entry if the channel numbers are known. Select the **ATV Manual Tuning** screen in ***Step 3***. Enter the **Programme number**, the **System**, then **C** for standard (terrestrial) channels or **S** for cable channels and the **Channel** number. Press **OK** to store.

Programme Skip

To prevent certain programmes from being viewed, the programme position can be skipped. The remote control must be removed as the channels will still be available using the number buttons. Programmes can then be watched as normal using the controls on the television, but the television will not show the skipped programme position.

1 Select **ATV Manual tuning** from the **SET UP** menu.

Manual Tuning

Prog.	Channel	Station
2	C28	BBC2
3	C25	ITV
4	C32	CH4
5	C68	C-68
6	C69	
7	C69	
8	C69	
9	C69	

2 Use ˄ or ˅ to highlight the programme position to be skipped and press **OK** to select.

3 Press › to select **Skip**.

4 Use ˄ or ˅ to turn **Skip** on. Press **OK**.

on the screen indicates a skipped programme position.

Manual tuning
Skip: On
2 I A C 28 0 B B C 2

5 Press **MENU** and repeat from ***Step 2*** or press **EXIT**.

Each programme position has to be *individually* selected. To turn **Skip** off, repeat the procedure for each position.

Skipped programme positions ***cannot*** be selected by **P▼** and **P▲** or by the controls on the television, but ***can*** still be accessed by the number buttons on the remote control.

Sorting Programme Positions

Channels may be moved and stored on the programme position of your choice.

1 Select **ATV Manual tuning**.

2 With the list of stations showing use ˅ or ˄ to highlight the station to be *moved* and press ›. The selected station will be moved to the right of the screen.

Manual Tuning

Prog.	Channel	Station
2	C28	BBC2
3	C25	ITV
4	C32	CH4
5	C68	C-68
1	C22	BBC1
6	C69	
7	C69	
8	C69	

3 Use ˅ or ˄ to move through the list to your *preferred* position. As you do so the other stations will move to make room.

4 Press ‹ to store your move. Repeat as necessary, then press **EXIT**.

General controls, time display (ATV only), stereo/bilingual transmissions

Selecting Programme Positions

To select a programme position use the numbered buttons on the remote control.

Programme positions can also be selected using **P▼** and **P▲**.

To revert to the previous programme position press ⇆.

To display on-screen information *i.e.* programme position, channels, stereo/mono signal, signal strength, date and time, press [i+]. Press again to cancel. The information shown will vary depending on whether the television is in **DTV** or **ATV** mode.

Press ⊕ at any time to select between **ATV** and **DTV** modes.

Time Display (**ATV** only)

The time display facility allows the current (text service) time to be seen on the television screen.

Press ⊙/⊠ whilst watching a normal television broadcast to see a time display from the broadcaster. It will remain on screen for about 5 seconds.

NOTE: This display may not always be available.

Stereo and Bilingual Transmissions

If stereo or dual language broadcasts are transmitted the word Stereo or Dual will appear on the screen each time programme positions are changed, disappearing after a few seconds. If the broadcast is not in stereo the word Mono will appear.

For ATV programmes

Stereo... Press ꝏ I/II to select **Stereo** or **Mono**.

Bilingual... Bilingual transmissions are rare. If they are transmitted the word **Dual** will display. Choose the required programme number and if the word **Dual** appears press ꝏ I/II to select **Dual 1**, **Dual 2** or **Mono**.

For DTV programmes

For stereo or dual mono broadcasts, press ꝏ I/II and use ❮ or ❯ to select settings.

The settings are as follows:

ꝏ	Stereo	Press ❯ for Stereo → Left → Right
●○	Dual Mono	Press ❯ for Dual 1 → Dual 2 → Dual
⬭	Mono	
ꝏ̈	Surround	

Sound controls, bass, treble and balance, dual (ATV only), stable sound®, bass boost

Sound Controls

Volume

Press ◿– or ◿+ to adjust the volume.

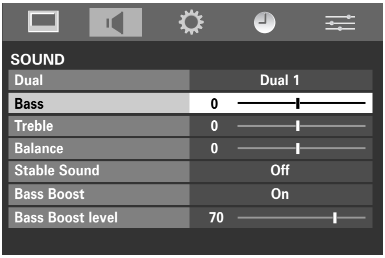
Sound Mute

Press 🔇 once to turn the sound off and again to cancel.

Bass, Treble and Balance

The sound controls are accessible in ***digital*** *and* ***analogue*** *modes.*

1. Press **MENU** and ‹ or › to select **SOUND**.



2. Press ⌄ to highlight **Bass**, **Treble** or **Balance** and ‹ or › to change the setting.

Dual (ATV only)

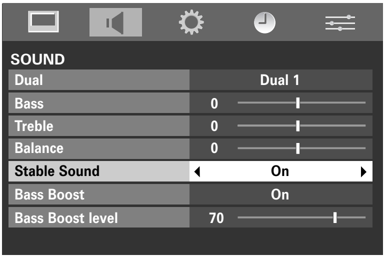
If a programme or film is being broadcast with a soundtrack in more than one language, the ***DUAL*** *feature allows selection between them.*

1. Select the **SOUND** menu.
2. Use ⌄ to highlight **Dual** then press ‹ or › to choose between **Dual 1** or **Dual 2**.

Stable Sound®

The ***Stable Sound*** *feature limits high volume levels on the TV speakers, preventing the extreme changes in volume that can occur when channels are changed or a programme switches to a commercial.*

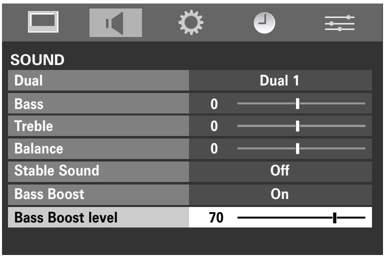
1. Select the **SOUND** menu.
2. Use ⌄ to highlight **Stable Sound** then press ‹ or › to select **On** or **Off**.



Bass Boost

Bass boost *enhances the depth of the sound on the TV speakers. The difference will only be noticeable on sound with a strong bass.*

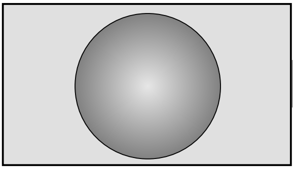
1. In the **SOUND** menu press ⌄ to highlight **Bass Boost**. Use ‹ or › to select **On**.
2. Then press ⌄ to highlight **Bass Boost Level** and using ‹ or › adjust to suit your preference.



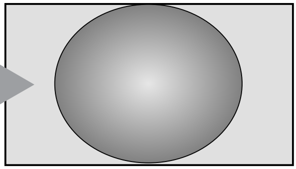
Widescreen viewing

Depending on the type of broadcast being transmitted, programmes can be viewed in a number of formats. Press the button repeatedly to select between **Wide**, **Super Live 2**, **Cinema 2**, **4:3**, **Super Live 1**, **Cinema 1**, **Subtitle** and **14:9**.

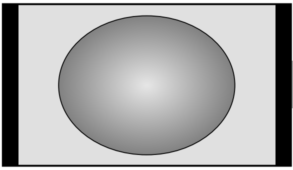
SUPER LIVE 1



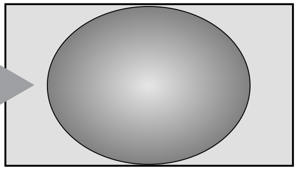
This setting will enlarge a 4:3 image to fit the screen by stretching the image horizontally and vertically, holding better proportions at the centre of the image. Some distortion may occur.



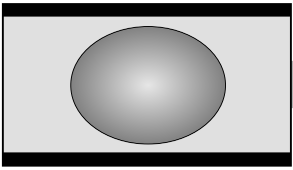
SUPER LIVE 2



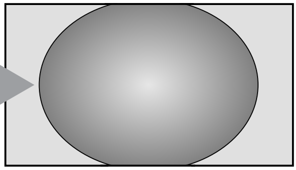
If a 'side panel format' signal is being received this setting will enlarge the image to fit the screen by stretching the image horizontally and vertically, holding better proportions at the centre of the image. Some distortion may occur.



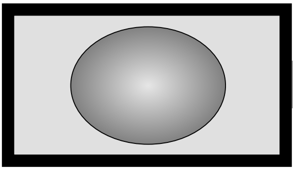
CINEMA 1



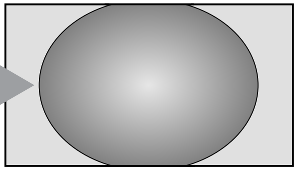
When watching 'letterbox format' films/video tapes, this setting will eliminate or reduce the black bars at the top and bottom of the screen by zooming in and selecting the image without distortion.



CINEMA 2

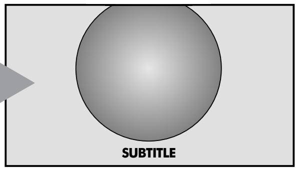


When watching 'all sides panel format' films/video tapes, this setting will eliminate or reduce the black bars at all sides of the screen by zooming in and selecting the image without distortion.



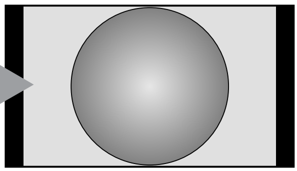
SUBTITLE

When subtitles are included on a letterbox format broadcast, this setting will raise the picture to ensure that all the text is displayed.



14:9

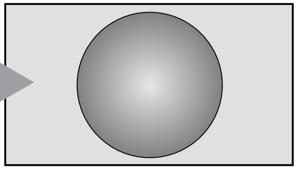
Use this setting when watching a 14:9 broadcast.



Widescreen viewing (continued)

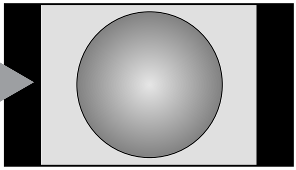
WIDE

Use this setting when watching a widescreen DVD, widescreen video tape or a 16:9 broadcast (when available). Due to the range of widescreen formats (16:9, 14:9, 20:9 etc.) black bars may be visible on the top and bottom of the screen.



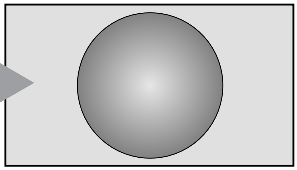
4:3

Use this setting to view a true 4:3 broadcast.



NATIVE

Native will appear in the list when using equipment connected via HDMI. This setting will show the picture without over scan.
This option is only available when watching a video signal source.



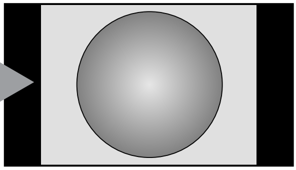
AV FORMAT

Press the ⊡ button and a list of all the widescreen formats will appear on screen. Use ∧ and ∨ to highlight the required format and **OK** to select.

Picture Size
- Native
- Wide
- Super Live 2
- Cinema 2
- 4:3
- Super Live 1
- Cinema 1
- Subtitle
- 14:9

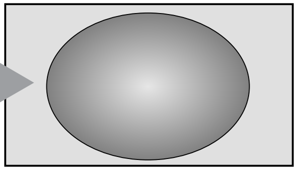
PC NORMAL

When using a PC connected via HDMI this setting will show the picture without over scan, i.e. WYSIWYG.
This option is only available when watching a VGA signal source via HDMI.



PC WIDE

When using a PC connected via HDMI this setting will show the picture without over scan and side panel.
This option is only available when watching a VGA signal source via HDMI.



VGA FORMAT

Press the ⊡ button and a list of all the PC formats will appear on screen. Use ∧ and ∨ to highlight the required format and **OK** to select.

Picture Size
- PC Normal
- PC Wide

Using the special functions to change the size of the displayed image (i.e. changing the height/width ratio) for the purposes of public display or commercial gain may infringe on copyright laws.

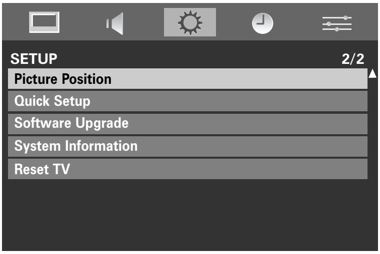
Picture controls

Most of the picture controls and functions are available in both **digital** and **analogue modes**. *PLEASE NOTE: features not available will be greyed out.*

Picture Position

The picture position may be adjusted to suit personal preference and can be particularly useful for external inputs.

1 In the **SETUP** menu press ∨ until **Picture Position** is highlighted.

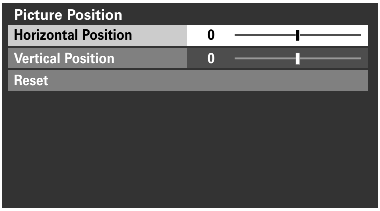


2 Press **OK** to view the options available for the picture format that has been selected.

3 Press ∧ and ∨ to select an option, then ‹ or › to adjust the settings.

The options alter depending on the widescreen format chosen and when viewing connected equipment.

In **Cinema 2**:

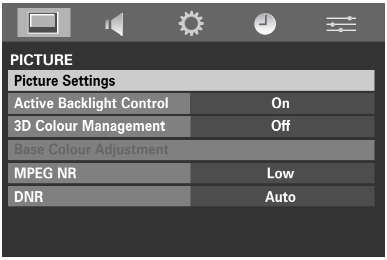


To return to the original factory settings select **Reset** in the **Picture Position** menu and press **OK**.

Backlight

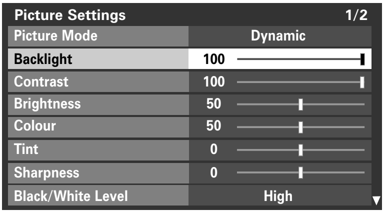
*Adjusting the **Backlight** can improve the clarity of the screen when viewing.*

1 In the **PICTURE** menu press ∨ to select **Picture Settings**, then press **OK**.



2 In the **Picture settings** menu press ∨ to select **Backlight**.

3 Press ‹ or › to adjust.



Picture controls (continued)

Picture Preferences

This television offers the choice of personalising the picture style. Press →◪← to view the different styles available:

Dynamic, **Standard**, **Mild** *and* **Movie** *are preset options and effect many features/settings within the television. Settings can be personalised as detailed below.*

PC *option is available in HDMI input mode.*

1. Select **Picture Settings** from the **PICTURE** menu.

Picture Settings	1/2
Picture Mode	Dynamic
Backlight	100
Contrast	100
Brightness	50
Colour	50
Tint	0
Sharpness	0
Black/White Level	High

2. Use ‹ or › to adjust the **Contrast**, **Brightness**, **Colour**, **Tint** and **Sharpness**.

Black/White Level

Black/White Level *increases the strength of dark areas of the picture which improves the definition.*

1. In the **Picture settings** menu press ⌄ until **Black/White Level** is highlighted.

Picture Settings	1/2
Picture Mode	Dynamic
Backlight	100
Contrast	100
Brightness	50
Colour	50
Tint	0
Sharpness	0
Black/White Level	◂ High ▸

2. Press ‹ or › to select between **High**, **Off**, **Low** and **Middle**. The effect depends on the broadcast and is most noticeable on dark colours.

Cinema mode

If there are lines or jagged edges in the film or programme being viewed, selecting **Cinema mode** *can help correct this by smoothing out the picture.*

1. In the **Picture Settings** menu press ⌄ to select **Cinema Mode**.

2. Press ‹ or › to select **On** or **Off**.

   NOTE: When a DVD with subtitles is being played this mode may not work correctly.

Colour Temperature

Colour Temperature *increases the 'warmth' or 'coolness' of a picture by increasing the red or blue tint.*

1. In the **Picture settings** menu press ⌄ until **Colour Temperature** is highlighted.

Picture Settings	2/2
Cinema Mode	Off
Colour Temperature	◂ Cool ▸
Reset	

2. Press ‹ or › to select between **Cool**, **Medium** and **Warm** to suit your preference.

Reset

Reset *returns the television to the default settings.*

1. In the **Picture settings** menu press ⌄ to select **Reset**.

2. Press **OK**.

Picture controls (continued)

3D Colour Management

*When **3D Colour Management** is selected it allows the 'Base colour adjustment' feature to become available.*

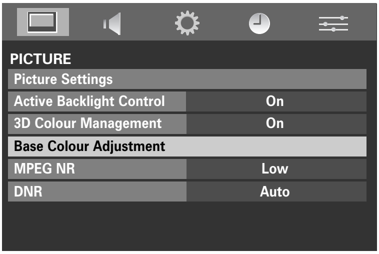
1. In the **PICTURE** menu press ﹀ to select **3D Colour Management**.

2. Press ❮ or ❯ to select **On** or **Off**.

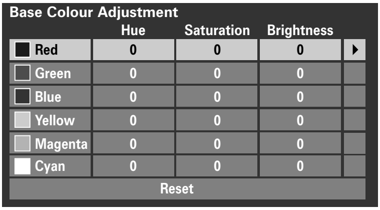
Base Colour Adjustment

*The **Base Colour Adjustment** feature allows the adjustment of individual colours to suit personal preference. This can be useful when using an external source.*

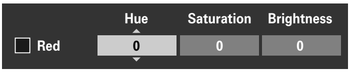
1. In the **PICTURE** menu press ﹀ to select **Base Colour Adjustment**, then press **OK**.



2. Press ︿ and ﹀ to select an option, then ❯ to adjust the settings.



3. Press ❮ and ❯ to select Hue, Saturation or Brightness, then ﹀ or ︿ to adjust the settings.

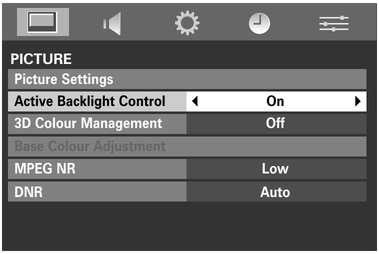


To return to the original factory settings select **Reset** and press **OK**.

Active Backlight Control

*When **Active Backlight Control** is activated it will automatically optimise the backlighting levels for dark scenes.*

1. In the **PICTURE** menu press ﹀ to select **Active Backlight Control**.



2. Press ❮ or ❯ to select **On** or **Off**.

MPEG NR – Noise Reduction

*When watching a DVD the compression may cause some words or picture elements to become distorted or pixelated. Using the **MPEG NR** feature reduces this effect by smoothing out the edges.*

1. Select **MPEG NR** from the **PICTURE** menu.

2. Use ❮ or ❯ to select a setting to suit your preference.

DNR – Digital Noise Reduction

***DNR** enables you to 'soften' the screen representation of a weak signal to reduce the noise effect.*

1. Select **DNR** from the **PICTURE** menu.

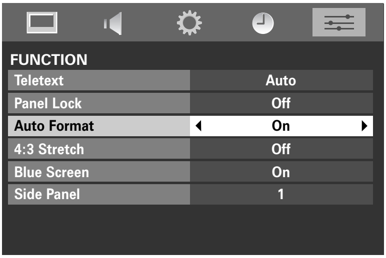
2. Use ❮ or ❯ to adjust. The differences may not always be noticeable (for the best result use lower settings as picture quality can be lost if the setting is too high).

Picture controls (continued), panel lock

Automatic Format (Widescreen)

*When this television receives a true Widescreen picture and **Auto Format** is **On**, it will automatically be displayed in Widescreen format, irrespective of the television's previous setting.*

1 Press **MENU** and ‹ or › to select the **FUNCTION** menu.



2 Press ⌄ to highlight **Auto Format**, then ‹ or › to select **On** or **Off**.

4:3 Stretch

*When **4:3 Stretch** is activated the size switching system changes 4:3 programs into a full screen picture.*

1 In the **FUNCTION** menu press ⌄ to highlight **4:3 stretch**.

2 Press ‹ or › to select **On** or **Off**.

Blue Screen

*When **Blue Screen** is selected the screen will turn blue and the sound will be muted when no signal is received.*

1 In the **FUNCTION** menu press ⌄ to highlight **Blue Screen**.

2 Press ‹ or › to select **On** or **Off**.

Side Panel Adjustment

*The **Side Panel** feature lightens or darkens the band each side of the screen when in 4:3 or 14:9 format. This helps prevent image retention of the band and can also make viewing in bright or dark conditions more comfortable.*

1 In the **FUNCTION** menu press ⌄ until **Side panel** is highlighted.

2 Press ‹ or › to adjust.

Picture Still

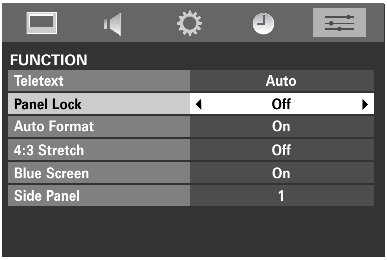
This feature is used to hold a still image on the screen.

1 Press ▼ to hold an image on the screen, press ▼ again to cancel.

Panel Lock

***Panel lock** disables the buttons on the television. All buttons on the remote control can still be used.*

1 From the **FUNCTION** menu select **Panel Lock** and choose **On** or **Off** using ‹ or ›.



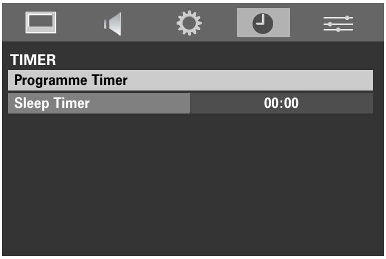
When **Panel lock** is **On**, a reminder will appear when the buttons on the television are pressed. **If the standby button is pressed the television will switch off and can only be brought out of standby by using the remote control.**

The timers

Programme Timer (**DTV** only)

This feature will set the television to go to a specific channel at a certain time. It can be used to view a particular programme, or by setting the mode to daily or weekly, can be used to view a series of programmes.

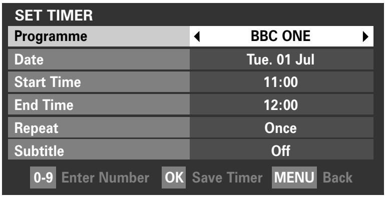
1 Press **MENU** and ❮ or ❯ to select the **TIMER** menu.



2 Press ⌄ to select **Programme Timer**, then press **OK** to select.

3 Press ⌄ to select the first programme to be timed, then press **OK**. The **SET TIMER** menu will now appear on screen.

4 Press ⌃ and ⌄ to go through the list adding the details of the programme to be timed by using the number buttons as well as ❮ and ❯ to make selections.



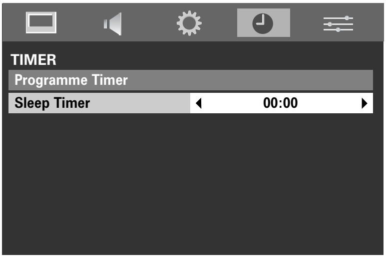
5 When all the details have been entered press **OK** to save the timer.

PLEASE NOTE: When a timed programme is about to start, an information screen will appear offering the option of watching or cancelling the programme. The menus and other channels will not be available during the timed programme unless the programme timer is cancelled.

Sleep Timer

*The television can be set to turn itself **off** after a certain time.*

1 Press **MENU** and ❮ or ❯ to select the **TIMER** menu.



2 Press ⌄ to select the **Sleep Timer**. Use the number buttons to set the required time. For example, to switch the television off in one and a half hours enter 01:30, or press ❮ or ❯ to increase/decrease in steps of 10 minutes.

3 Press **EXIT** to finish.

DTV on-screen information

When viewing in **digital** mode, the on-screen information gives access to programme details for all available channels.

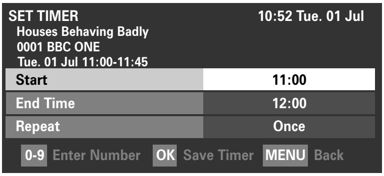
Information

1. Select information by pressing (i+), the information screen will appear giving details of the channel and programme currently being viewed.



2. To see details of any of the other channels currently available, press ∧ and ∨ to select **Now**, **Next** and **Also**.

3. To record the following programme, select **Next** then press **OK**. The **SET TIMER** screen will appear.



5. The details of the programme will have been added to the screen. Press **OK** to save.

Press ∨ to select **Also**. Details of programmes that have started on other channels will be shown. Use ‹ or › to change the display contents.

On-screen Information Icons

Icons will appear on the Information screen giving details about the programmes being broadcast. Details of these icons are listed below:

Service info

Service type (TV, Radio)
Skip

Audio Info

Mono
Stereo
Dual mono

Audio/Subtitle info

Hard of Hearing

Event Info

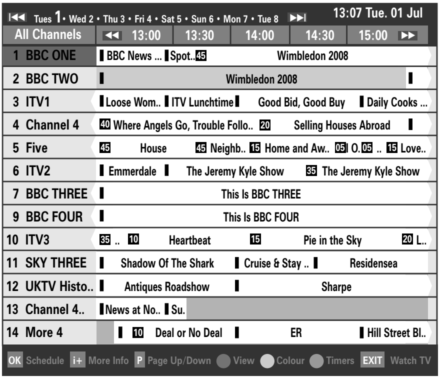
SD	Video format
16:9, 4:3	Video aspect
	Teletext
	Subtitle (Single, Multi)
	Multi-audio track
0,4 - 18	Parental rating
	Encrypted

DTV programme guide

When viewing in **digital** mode, the programme guide gives access to programme details for all available channels.

Guide

1 Select the on-screen guide by pressing **GUIDE**, the guide screen will appear highlighting details of the channel and programme currently being viewed. This may take a few moments to appear.



The time scale can be changed to 1.25 or 2.5 hours by pressing the **RED** button.

NOTE: Only programmes selected by the TV/Radio mode will be displayed, any skipped programmes will not appear.

2 Press ❮ or ❯ for information on other features scheduled for the programme selected.

3 For details of other programmes currently available, press ⌃ and ⌄ to scroll up and down the programme list. As programmes are selected details of the programme currently being broadcast will appear. Press ❮ or ❯ to view information on future features.

4 For information on a highlighted programme press (i+). To set the timer for that programme press the **BLUE** button to bring up the **Programme Timer** menu, then **OK** to set.

NOTE: Recording can be set from the guide. In order for the recording operation to work the media recorder must beset to the same time as the television. Refer to the the owner's manual for the recording equipment.

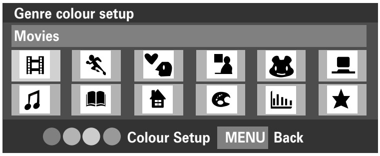
5 Press ▶▶ to move the **Guide** forward by 24 hours, press ◀◀ to go back. Pressing ▶▶ or ◀◀ will move the **Guide** forwards or backwards a page at a time.

6 Press **P▼** to move on a page and **P▲** to return to the previous page.

Topic Selection

From the Guide the genre colour feature can be set.

1 With the Guide screen showing press the **YELLOW** button. The **Genre Colour Setup** screen will appear.



2 Using ❮ or ❯ and ⌃ or ⌄ select a topic, then press a colour button button to assign that colour to the chosen topic. Four colours are available to set.

3 Press **MENU** to return to the guide screen, the guide will automatically assign the colours to the chosen topics.

DTV Settings – setting the PIN code

In order to prevent viewing of unsuitable films and programmes, channels and menus can be locked. These can then only be accessed with a security code PIN when in **digital** mode.

Setting the PIN

1 Press **MENU** and ❯ to select the **SETUP** menu.

2 Press ❯ to select **DTV Settings** then press **OK**.

SETUP	1/2
Language	English
Country	UK
Auto Tuning	
ATV Manual Tuning	
DTV Manual Tuning	
DTV Settings	
Manual Setting	
AV Connection	

3 Use ❯ to select **PIN Setting** then press **OK**.

DTV Settings	1/2
Programme	
Programme Options	
TV/Radio Mode	All Channels
Subtitle	
PIN Setting	
Parental Control	
Local Time Setting	11:51
Auto Programme Update	Off

4 Using the number buttons enter a four digit number, when these have been entered they will need to be confirmed by entering them again.

New PIN	* * * *
Confirm PIN	* * * *

A screen will appear with the choice to **Enable** or **Disable** the password.

PIN Setting	
PIN Setting	◀ Enable ▶

5 Using ❮ or ❯ select **Enable**.

6 Press **OK**. The PIN number is now set.

When the PIN number has been set a prompt will appear requiring the PIN number to be entered before television settings can be altered.

Enter PIN Code	* * * *

DTV Settings – favourite programmes, locked programmes, TV/radio mode

Selecting Favourite Programmes

***Programme Options** creates a list of the **digital** channels that are watched most. Four lists can be created, these can be a mixture of television and radio programmes.*

1. From the **DTV Settings** menu press ˅ to select **Programme Options** and press **OK**.

Prog.	Type	Name	1	2	3	4	🔒
1	▭	BBC ONE	✔				
2	▭	BBC TWO	✔				
3	▭	ITV1					
4	▭	Channel 4					
5	▭	Five	✔				
6	▭	ITV2					
7	▭	BBC THREE	✔				
9	▭	BBC FOUR					

Programme Options

2. Use ‹ and › to select the first List, then ˄ and ˅ to select programmes.

3. Press **OK** to select the ones required, a tick will appear in the box.

   To select all programmes in a highlighted column press the **RED** button. To deselect all programmes in a highlighted column press the **YELLOW** button.

Favourite Programme Lists

1. Press the **TV/FAV RADIO** button and the **Programme Lists** screen will appear. Press ‹ and › to select between the current **TV/Radio Mode** selection and any Favourites Lists created. The number of favourites available depends on how many lists have been created.

Programme Lists

◄ Favourites 1 ►	
1	BBC ONE
2	BBC TWO
5	Five
7	BBC THREE

2. Press ˄ and ˅ to highlight a programme then **OK** to select.

Locking Programmes

*Locking programmes stops the viewing of **digital** channels. The PIN must be set before programmes can be locked.*

1. From the **DTV Settings** menu press ˅ to select **Programme Options** and press **OK**.

   Press › repeatedly to select the Locked Programme list.

   Use ˄ and ˅ to highlight programmes, press **OK** to select the ones required. A tick will appear in the box.

Programme Options

Prog.	Type	Name	1	2	3	4	🔒
1	▭	BBC ONE					✔
2	▭	BBC TWO					
3	▭	ITV1					
4	▭	Channel 4					
5	▭	Five					
6	▭	ITV2					
7	▭	BBC THREE					
9	▭	BBC FOUR					

2. Press **EXIT** and put the television into standby.

   The PIN must now be entered before any of the programmes in the Locked Programme list can be accessed.

TV/Radio Mode

*This feature sets the programme list for regular programme changing, the programme guide and the **TV/FAV RADIO** button.*

1. From the **DTV Settings** menu press ˅ to select **TV/Radio Mode**.

   Press ‹ and › to select **All Channels**, **TV** or **Radio**.

   NOTE: When setting to **TV** or **Radio**, using the **P▼** and **P▲** button will only access that type of programme. Channels that are not in the currently selected list can still be selected by direct programme number entry.

DTV settings – subtitles, audio languages, common interface

Subtitles

When in digital mode this feature will show subtitles on the bottom of the screen in the selected language provided they are being broadcast.

1. From the **SETUP** menu press ∨ to select **DTV Settings**.

2. Press **OK**, then press ∧ and ∨ to highlight **Subtitle**.

3. Press ∨ to select **Subtitle** and use ‹ and › to select **On** or **Off**.

Subtitle	
Subtitle	◂ Off ▸
Subtitle Type	Normal
Primary Subtitle Language	English
Secondary Subtitle Language	English
Primary Audio Language	English
Secondary Audio Language	English

4. Press ∨ to select **Subtitle Type** and use ‹ or › to select **Normal** or **For Hard of Hearing**.

5. Press ∨ to select **Primary Subtitle Language** or **Secondary Subtitle Language** and use ‹ and › to select an option.

The **SUBTITLE** button can also be used to select **On** or **Off**, and to select subtitle language if more than one subtitle is available.

Audio Languages

This feature allows a programme or film to be viewed with a choice of soundtrack language, provided they are currently being broadcast.

1. In the **Subtitle** menu press ∨ to select **Primary Audio Language** or **Secondary Audio Language** and use ‹ or › to select an option.

Subtitle	
Subtitle	Off
Subtitle Type	Normal
Primary Subtitle Language	English
Secondary Subtitle Language	English
Primary Audio Language	◂ English ▸
Secondary Audio Language	English

NOTE: If more than one soundtrack is available, use ꝏ I/II to select between them.

Common Interface

The Common Interface Slot, situated on the side of the television, enables the insertion of a CAM (Conditional Access Module) and card. These are purchased from a service provider and allow additional subscription broadcasts to be viewed. For information contact a service provider.

1. Insert the CAM and card into the Common Interface Slot, following the instructions provided with the CAM. A box will appear on screen to confirm that the CAM is loaded.

2. In the **DTV Settings** menu press ∧ or ∨ to select **Common Interface** and press **OK**.

3. Details of the CAM should now be available.

Software upgrade

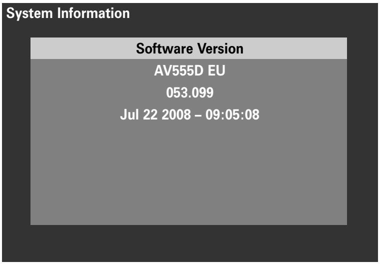
Version

This feature can be used to check the version of software currently installed.

1. From the **SETUP** menu press ⌃ or ⌄ to select **System Information**.



2. Press **OK** to display the **Software Version**.



Auto Upgrade

If ***Auto Upgrade*** *is set to* ***On*** *the software will automatically update as each version becomes available, provided the television is on or in standby.*

1. In the **SETUP** menu press ⌃ or ⌄ to select **Software Upgrade** and press **OK**.

2. Press ⌃ or ⌄ to select **Auto Upgrade**.

3. Use 〈 or 〉 to select **On** or **Off**.

Searching for New Software

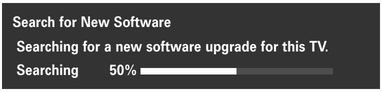
If preferred, software upgrades can be searched for manually using ***Search for New Software***.

1. In the **SETUP** menu press ⌃ or ⌄ to select **Software Upgrade**.



2. Press ⌄ to select **Search for New Software**.

3. Press **OK**. The television will automatically start searching for a software upgrade, the progress bar will move along the line.



If an upgrade is found the television will automatically start downloading, if not a screen will appear stating that an upgrade is unavailable.

Reset TV

Selecting ***Reset TV*** *will delete all television settings, returning the television to the original factory set up, auto tune will then automatically run.*

1. In the **SETUP** menu press ⌄ until **Reset TV** is highlighted.

2. Press **OK** to select. A screen will appear warning that all digital settings will be lost, press **OK** to continue.

   The television will switch off then back on again and the **Quick Setup** screen will appear. Press **OK** to auto tune.

Input selection and AV connections

Defining the INPUT and OUTPUT sockets so that the television recognises connected equipment. See page 7 for a clear view of the back connection recommendations.

Most media recorders and decoder send a signal through the SCART lead to switch the television to the correct *Input* socket.

Alternatively press the external source selection button ⊕ until the picture from connected equipment is shown.

This button must be used to view equipment connected using the COMPONENT VIDEO INPUT (**EXT3C**) and VIDEO INPUT (**EXT4**).

An **S** in the display e.g. ⊕**2S** (**EXT 2S**), indicates the input is set for an S-Video signal.

Input Selection

1 At any time by pressing ⊕ a list will appear on screen showing modes and all stored external equipment. Use ⌄ and ⌃ to highlight and **OK** to select.

Inputs
DTV
⊕ 1
⊕ 2
⊕ 3
⊕ 4
HDMI1
HDMI2
ATV

HDMI displays equipment connected to *Input HDMI* on the back of the television.

INPUT Signal Selection

*This specifies the type of signal going into SCART 2 (**EXT2**) on the back of the television. Please refer to the manufacturers instructions for the connected equipment.*

1 In the **SETUP** menu press ⌄ until **AV connection** is highlighted, then press **OK**.

2 With ‹ or › select either **AV** or **S-VIDEO** as the required ***input*** for **EXT2**.

AV Connection	
HDMI1 audio	Auto
EXT2 input	◂ AV ▸
Lip Sync	On

If the colour is missing try the alternative setting.

HDMI1 Audio

*If the connected HDMI source does not support digital audio, plug the audio cable into **HDMI1 (Audio)** on the back of the television (as shown in the* 'Connecting an HDMI or DVI device to the HDMI input' *section), then use the **HDMI1 Audio** settings.*

1 In the **AV connection** menu press ⌄ to highlight **HDMI1 audio** and using ‹ or › select **Auto**, **Digital** or **Analogue**.

If the sound is missing select an alternative setting.

NOTE: HDMI1 supports digital and analogue sound, HDMI2 is digital sound only.

Certain formats of DVD disk may not output from this TV (32/44.1/48kHz and 16/20/24 bits are acceptable).

Lip Sync

***Lip Sync** can synchronize the sound and picture. This feature is only available when equipment compatible with Lip Sync is connected via HDMI.*

1 In the **AV connection** menu press ⌄ to highlight **Lip Sync**.

2 Using ‹ or › select **On** or **Off**.

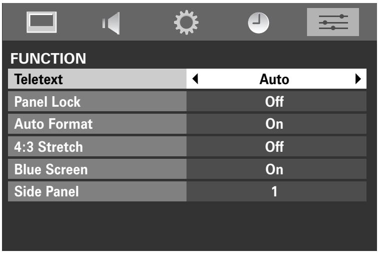
ATV text services – selecting modes, general information, Auto and LIST modes

This television has a multi-page text memory, which takes a few moments to load. It offers two ***Modes*** of viewing text – **Auto** will display **Fastest**, if available. **LIST** will store your four favourite pages.

Selecting Modes

The text character set will be automatically chosen by the language setting in the ***SETUP*** *menu.*

1. Select **Teletext** from the **FUNCTION** menu.
2. With ‹ or › choose **Auto** or **LIST** then press **EXIT**.



Text Information

The ≡/⊿/▭ button:

To view text services press ≡/⊿/▭. Press again to superimpose the text over a normal broadcast picture and again to return to normal viewing. Programmes cannot be changed until text is cancelled.

The first text page shown will be the *initial* page.

Any text page can be accessed by entering the 3 digit page number using the numbered buttons, pressing the coloured buttons or pressing **P ⌃** to advance to the next page and **P ⌄** to go back to the previous page.

Subtitles are available on page 888.

Sub-pages

If there are sub-pages they will automatically load into memory without changing the page on screen.

To access the sub-pages press ⊜ then use the RED and GREEN buttons to view them. A bar with numbers will appear on the bottom of the screen. Alternatively use the number buttons to select pages.

The sub-page being viewed will be highlighted, as the television loads any additional sub-pages the page numbers will appear in the bar indicating that they have loaded.

These sub-pages will remain available to view until another page is chosen or, in normal TV mode, the channel is changed.

Navigating Pages Using Auto

If **Fastest** is available four coloured titles will appear at the base of the screen.

To access one of the four given subjects, press the relevant coloured button on the remote control.

For further information on your particular text system(s), see the broadcast text index page or, consult your local Toshiba dealer.

Navigating Pages Using LIST

The four coloured choices at the bottom of the screen are numbers – 100, 200, 300 and 400, which have been programmed into the television's memory. To view these pages press the relevant coloured buttons.

To *change* these stored pages press the relevant coloured button and enter the 3 digit number. This number will change in the top left of the screen and in the coloured highlight.

ATV text services – control buttons DTV interactive services

Below is a guide to the functions of the remote control text buttons.

To display the index/initial page:

Press the index button to access the index/initial page. The one displayed is dependant on the broadcaster.

To display a page of text:

Press the text button to display text. Press again to superimpose text over a normal picture. Press again to return to normal television viewing. Programmes cannot be changed until this has been done.

To access sub-pages:

For use with the RED and GREEN buttons to view sub-pages when available.

To reveal concealed text:

To discover the solutions on quiz and joke pages press the reveal button.

To hold a wanted page:

At times it is convenient to hold a page of text. Press the hold button and the hold symbol will appear in the top left of the screen. The page will be held on screen until the button is pressed again.

To enlarge the text display size:

Press the enlarge button once to enlarge the top half of the page, press again to enlarge the bottom half of the page. Press again to revert to normal size.

To select a page whilst viewing a normal picture:

Enter the page number then press the timer/cancel button, a normal picture will be displayed. The television will indicate when the page is present by displaying the page number at the top of the screen. Press the text button to view the page.

To display news flashes:
Select the news flash page for the chosen text service (see the index page of text service). Press the timer/cancel button. The news flashes will be displayed as and when they are broadcast. Press the timer/cancel button again to cancel the display.

The news flash page must be cancelled before changing programmes.

Remember to cancel text before changing channels – press the text button twice.

DTV Interactive Services

The **digital** interactive services are the up-to-date way of viewing service information, using computer-style formats, incorporating pictures and interactive views.

They offer high quality on-screen images with multi-colour photographic still images, advanced text and graphics and are user-friendly. These services are free to anyone with a digital television, however, they are not available for all digital stations and are dependant on the broadcaster.

1. Ensure that **digital** mode has been selected. Press the text button, it may take a few moments to load.
2. To navigate the pages and use the pull-down menus, use the coloured buttons and ∧, ∨, ‹ and › as directed.
3. Press the text button again at any time to cancel.

Questions and Answers

Below are the answers to some of the most common queries.
For more information go to **www.toshiba.co.uk**

Q *Why is there no sound or picture?*

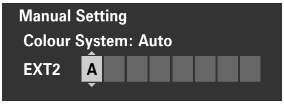
A Check the television is not in standby mode. Check the mains plug and all mains connections.

Q *There is a picture, but why is there little or no colour?*

A When using an **external** source, for instance, a poor quality video tape, if there is little or no colour, improvements may sometimes be achieved. The colour is factory set to **Auto.** to automatically display the best colour system.

To check that you have the best colour:

1. With the external source playing, select **Manual Setting** from the **SETUP** menu.



2. With ⋀ or ⋁ choose between **Auto, PAL, SECAM, NTSC 4. 43** or **3. 58**.

Q *Why doesn't the video/DVD being played show on screen?*

A Make sure the VCR or DVD player is connected to the television as shown on page 7, then select the correct input by pressing ⊕.

Q *Why is there a good video picture but no sound?*

A Check all lead connections.

Q *Why is there a picture but no sound?*

A Check all lead connections.
Check the volume has not been turned down or that sound mute has not been selected.

Q *Why is the VCR/DVD picture in black and white?*

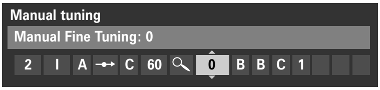
A Check the correct ***input*** has been chosen, **S-VIDEO** or **AV**. See **AV connections** page 31.

Q *What else can cause a poor* ***analogue*** *picture?*

A Interference or a weak signal. Try a different television station. **Manual Fine Tuning** may help.

1. Select the **ATV Manual Tuning** menu. Highlight the station and press **OK**, then press › to select **Manual Fine Tuning**.

2. Using ⋀ or ⋁ adjust to get the best picture and sound. Press **OK** and then **EXIT**.



Q *Why don't the controls on the front of the television work?*

A Check that **Panel lock** is not **On**.

Q *Why doesn't the remote control work?*

A Check the batteries aren't dead or inserted incorrectly.

Q *Why is there a message permanently on the screen?*

A Remove it by pressing [i+].

Q *Why is the* ***DTV*** *main menu unavailable?*

A Another mode is selected. Press ⊕ to select **DTV**.

Questions and Answers (continued)

Q *Why is the **digital** channel locked?*

A The channel has been locked in **Programme Options** (see 'Digital Settings' *section*).

Q *Why can only certain **digital** channels be viewed?*

A A **Programme Options** list has been selected (see '*Favourite Programmes*' section), set the feature to **All Channels** or change channels by using the number buttons.

Q *Why are some of the **digital** subscription channels unavailable?*

A Your subscription needs upgrading. Contact your service provider.

Q *Why is the soundtrack in English when a different audio language has been selected?*

A The programme is currently being broadcast with an English soundtrack only.

Q *Why is there incorrect or no sound when in **DTV** mode?*

A Press I/II to check if the hard of hearing option has been selected.

Q *What can be done if the PIN number has been forgotten?*

A Use the Master PIN code of 1276, then change to a number of your choice. Ensure that no-one else can use the Master PIN by removing the Owner's Manual.

Q *Why when **digital** subtitles have been selected are they not showing on screen?*

A Subtitles are not currently being transmitted by the broadcaster.

Q *Why is there no **digital** text service?*

A The **digital** programme being viewed is not broadcasting digital text. Try another **digital** programme.

Q *Why are there problems with **analogue** text?*

A Good performance of text depends on a good strong broadcast signal. This normally requires a roof or loft aerial. If the text is unreadable or garbled, check the aerial. Go to the *main index* page of the text service and look for the *User Guide*. This will explain the basic operation of text in some detail. If further information is needed on how to use text *see the text section*.

Q *Why are there no **analogue** text sub-pages?*

A There are none broadcast or they have not yet loaded. Press the button to access. (See *text section*).

Q *Why are the four coloured text numbers visible but no text?*

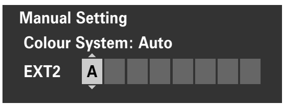
A Text has been selected whilst viewing an external source i.e. DVD or VCR. No text will appear on screen or a box may appear stating no information is available. Select a broadcasting channel and press // to access.

Q *Why does the GREEN Active Standby LED sometimes take longer to go out?*

A When put into standby the television's active standby will automatically search all available channels for downloads, provided **Auto upgrade** is **On**. The time it takes to do this may vary.

Q *Why are the colours wrong when an NTSC source is played?*

A Connect the source via a SCART lead and play. Select **Manual Setting** from the **SETUP** menu.



1. Set the Colour to **Auto** and exit.
2. Go to the **Picture settings** menu and adjust the tint.

Questions and Answers (continued)

Q *Why is there no sound or picture when in HDMI mode?*

A Make sure that the cables used have the HDMI logo on them ().
Some early HDMI equipment may not work properly with the latest HDMI television products, due to new standard adoption. Try setting **Lip Sync** to **Off**.

Q *Why is the Parental Control setting greyed out?*

A This feature is not available in the UK.

Cleaning the screen and cabinet...

*Turn off the power, clean the screen and cabinet with a soft, dry cloth. We recommend that you **do not** use any proprietary polishes or solvents on the screen or cabinet as this may cause damage.*

Disposal...

The following information is only for EMU-member states:

Disposal of products

The crossed out wheeled dust bin symbol indicates that products must be collected and disposed of separately from household waste. Integrated batteries and accumulators can be disposed of with the product. They will be separated at the recyling centres.
The black bar indicates that the product was placed on the market after August 13, 2005.
By participating in separate collection of products and batteries, you will help to assure the proper disposal of products and batteries and thus help to prevent potential negative consequences for the environment and human health.
For more detailed information about the collection and recycling programmes available in your country, please contact your local city office or the shop where you purchased the product.



Disposal of batteries and/or accumulators

The crossed out wheeled dust bin symbol indicates that batteries and/or accumulators must be collected and disposed of separately from household waste.
If the battery or accumulator contains more than the specified values of lead (Pb), mercury (Hg), and/or cadmium (Cd) defined in the Battery Directive (2006/66/EC), then the chemical symbols for lead (Pb), mercury (Hg) and/or cadmium (Cd) will appear below the crossed out wheeled dust bin symbol.
By participating in separate collection of batteries, you will help to assure the proper disposal of products and batteries and thus help to prevent potential negative consequences for the environment and human health.
For more detailed information about the collection and recycling programmes available in your country, please contact your local city office or the shop where you purchased the product.



Hg Cd Pb

Notes

For your own records

Notes

For your own records

Notes

For your own records

Specifications and accessories

DVB-T Broadcast systems/channels

UK	UHF	21-68
France	VHF	05-10 (VHF 01-05)
	UHF	21-69
Germany	VHF	05-12
	UHF	21-69
Austria	VHF	05-12
	UHF	21-69
Switzerland	VHF	05-12
	UHF	21-69
Italy	VHF	05-12 (D,E,F,G,H,H1,H2)
	UHF	21-69
Spain	UHF	21-69
Nederlands	VHF	05-12
	UHF	21-69
Sweden	VHF	05-12
	UHF	21-69
Finland	VHF	05-12
	UHF	21-69
Greece	VHF	05-12
	UHF	21-69

Broadcast systems/channels

PAL-I	UHF	UK21-UK69
PAL-B/G	UHF	E21-E69
	VHF	E2-E12, S1-S41
SECAM-L	UHF	F21-F69
	VHF	F1-F10, B-Q
SECAM-D/K	UHF	R21-R69
	VHF	R1-R12

Video Input PAL, SECAM, NTSC 3.58/4.43

External connections

EXT1	Input/Output	21-pin SCART	RGB, A/V
EXT2	Input/Output	21-pin SCART	A/V, S-video Selectable output
EXT3	Input	Phono jacks Phono jacks	Y, P_B/C_B, P_R/C_R Audio L + R
HDMI 1/2	Input	HDMI (Audio LIP SYNC supported)	
HDMI1 Audio	Input	Phono jacks	Audio L + R



Stereo		Nicam 2 carrier system	
Visible Screen Size (approx.)	Model	32	80cm
		37	94cm
		42	107cm
Display		16:9	
Sound output (at 10% distortion)		Main	10W + 10W
Power consumption (approx.)	Model	32	112W
		37	149W
		42	195W
Standby (approx.)	Model	32	0.9W
		37	0.9W
		42	0.9W

Dimensions (approx.)	Model	32	55cm (H)	80cm (W)	22cm (D)
		37	62cm (H)	91cm (W)	25cm (D)
		42	68cm (H)	101cm (W)	26cm (D)

(Height dimension includes foot stand)

Weight (approx.)	Model	32	14kg
		37	18kg
		42	20kg
Headphone socket		3.5mm stereo	
Accessories		Remote control 2 batteries (AAA, IEC R03 1.5V)	

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Specification is subject to change without notice.

Originated by Zushi Illustration & Visualisation, Bristol, UK.

VX1A00105300